CLAIMS:

1. A method of transmitting over a wireless link, said method comprising:

adjusting the transmit power of a wireless transmitter in relation to a number N of expected ACKs for radio transmissions over said wireless link.

2. The method of claim 1 wherein said adjusting being performed by said wireless transmitter and further including:

monitoring the number of ACKs lost for radio packets transmitted;

increasing said transmit power if the number of ACKs lost / expected number of ACKs is above a first threshold; and

decreasing said transmit power if the number of ACKs lost / expected number of ACKs is below a second threshold.

3. The method of claim 1 further including:

determining an initial transmit power for said wireless transmitter based on a measurement of a signal received over said wireless link.

4. The method of claim 2 further including:

providing a base station transmitting acknowledgments of radio packets transmitted by said wireless transmitter over said wireless link to said base station.

5. The method of claim 2 further including:

providing a wireless unit transmitting acknowledgments of radio packets transmitted by said wireless transmitter over said wireless link to said wireless unit.

6. The method of claim 1 further including:

providing a register of length N;

filling said register with receive ACK bits

transmitting a radio packet;

inserting into said register a receive ACK bit if an ACK was received within a time interval; and

inserting into said register a no ACK bit if an ACK was not received within said time interval.

7. The method of claim 6 wherein said step of adjusting including:

reducing said transmit power if the number of no ACK bits/N is less than a first threshold; and

increasing said transmit power if the number of no ACK bits/N is greater than a second threshold.